

App Bar

App Bar Component This document outlines the specifications for the `AppBarComponent`, an Angular component designed to provide a customizable app bar or navigation bar for web applications.

Purpose ■ The `AppBarComponent` serves as a prominent navigation and information hub within web applications. It typically contains branding elements, navigation menus, and additional controls to enhance user experience and facilitate navigation throughout the application.

Usage ■ Integrate the `AppBarComponent` into your Angular applications to establish a consistent and easily accessible navigation interface for users.

Inputs

- `title` : (Optional) The title or branding text displayed within the app bar.
- `logoUrl` : (Optional) The URL of the logo or branding image displayed within the app bar.
- `showMenu` : (Optional) Controls the visibility of the navigation menu within the app bar. Defaults to true .
- `menuItems` : (Optional) An array of objects representing the items in the navigation menu. Each object should have the following properties:
 - `label` : (Required) The label or display text for the menu item.
 - `link` : (Required) The URL or route link associated with the menu item.
 - `icon` : (Optional) The icon to be displayed alongside the menu item label.
- `userMenu` : (Optional) An array of objects representing items in the user menu dropdown. Each object should have the following properties:
 - `label` : (Required) The label or display text for the user menu item.
 - `action` : (Optional) A callback function to be executed when the user selects the menu item.
 - `icon` : (Optional) The icon to be displayed alongside the user menu item label.

Events

- `menuItemClick` : Fired when a menu item in the navigation menu is clicked. Emits the selected menu item object.
- `userMenuItemClick` : Fired when a user menu item in the dropdown is clicked. Emits the selected user menu item object.

```
< app-app-bar [title] = "' My Application'" [logoUrl] = "' assets/logo.png'" [showMenu] = "true" [menuItems] = "appMenuItems" [userMenu] = "userDropdownItems" (menuItemClick) = "onMenuItemClick($event)" (userMenuItemClick) = "onUserMenuItemClick($event)" ></ app-app-bar >
```

Notes ■ Customize the styling and layout of the app bar to align with the overall design language and branding of your application. Implement the `menuItemClick` and `userMenuItemClick` event handlers to respond to user interactions with the navigation menu items and user menu dropdown items, respectively.

```
// Example menu items for navigation menu  
appMenuItems = [ { label : 'Home' , link : '/home' , icon : 'home' } , { label : 'About' , link : '/about' , icon : 'info' } , { label : 'Contact' , link : '/contact' , icon : 'email' } ] ; // Example items
```

```
for user menu dropdown userDropdownItems = [ { label : 'Profile' , action : this .  
navigateToProfile , icon : 'person' } , { label : 'Settings' , action : this . navigateToSettings ,  
icon : 'settings' } , { label : 'Logout' , action : this . logout , icon : 'logout' } ] ;  
onMenuItemClick ( menuItem : any ) { // Handle menu item click event }  
onUserMenuItemClick ( menuItem : any ) { // Handle user menu item click event }  
navigateToProfile ( ) { // Navigate to user profile page } navigateToSettings ( ) { // Navigate  
to settings page } logout ( ) { // Perform logout action }
```

```

<app-app-bar
  [title]="'My Application'"
  [logoUrl]="'assets/logo.png'"
  [showMenu]="true"
  [menuItems]="appMenuItems"
  [userMenu]="userDropdownItems"
  (menuItemClick)="onMenuItemClick($event)"
  (userMenuItemClick)="onUserMenuItemClick($event)"
></app-app-bar>

---

// Example menu items for navigation menu
appMenuItems = [
  { label: 'Home', link: '/home', icon: 'home' },
  { label: 'About', link: '/about', icon: 'info' },
  { label: 'Contact', link: '/contact', icon: 'email' }
];

// Example items for user menu dropdown
userDropdownItems = [
  { label: 'Profile', action: this.navigateToProfile, icon: 'person' },
  { label: 'Settings', action: this.navigateToSettings, icon: 'settings' },
  { label: 'Logout', action: this.logout, icon: 'logout' }
];

onMenuItemClick(menuItem: any) {
  // Handle menu item click event
}

onUserMenuItemClick(menuItem: any) {
  // Handle user menu item click event
}

navigateToProfile() {
  // Navigate to user profile page
}

navigateToSettings() {
  // Navigate to settings page
}

logout() {
  // Perform logout action
}

```